G-DRIVE™ mobile USB

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G-Technology™
by Hitachi

IMPORTANT SAFEGUARDS

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product enclosure and may be of significant risk of electrical shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating maintenance (servicing) instructions literature accompanying the appliance.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PART'S INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE APPLIANCE TO RAIN OR MOISTURE.

1. **READ INSTRUCTIONS**
All the safety and operating instructions should be read before the unit is operated.

2. **RETAIN INSTRUCTIONS**
The safety and operating instructions should be retained for future reference.

3. **HEED WARNINGS**
All Warnings on the unit and in the operating instructions should be adhered to.

4. **FOLLOW INSTRUCTIONS**
All operating and use instructions should be followed.

5. **ATTACHMENTS**
Do not use attachments no recommended by the unit's manufacture as they may cause hazards.

6. **WATER AND MOISTURE**
Do not use this unit near water–for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

7. **ACCESSORIES**
Do not place this unit on an unstable cart, stand, tripod, bracket or table. The unit may fall, causing serious injury and serious damage to the unit.

8. **VENTILATION**
Openings in the front and back of the unit are provided for ventilation to ensure reliable operation and to protect it from overheating. These openings must not be blocked or covered. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided.

9. **POWER SOURCES**
This unit should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply in your facility, consult your local dealer or power company.

10. **GROUNDING AND POLARIZATION**
This equipment is supplied with a power cord with a US style 3-wire grounding type plug at one end and a 3-wire IEC standard connector at the other. The 3-wire grounding type plug will fit into a US style grounding type power outlet and the IEC connector is intended to plug into the G-Tech unit. The 3-wire grounding type plug is a safety feature. If you are unable to insert the plug into the outlet, do not force it. Contact your electrician to replace the obsolete outlet. DO NOT DEFEAT THE SAFETY PURPOSE OFTHE GROUNDING TYPE PLUG. For use in Foreign Countries, contact your local G-Tech dealer or representative to obtain a power cord with a locally compatible 3-wire grounding plug on one end and a 3-wire IEC standard connector to the other.

11. **POWER CORD PROTECTION**
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit the unit.

12. **SERVICING**
Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltages or tother hazards (see Caution Symbol at rear of power supply chassis). Refer all servicing to qualified service personnel.

Introduction

Thank you for purchasing the G-DRIVE™ mobile USB from G-Technology™. G-DRIVE mobile USB hard drives from G-Technology are the ideal storage solutions for people on the go.

This drive is the perfect compliment for your Apple MacBook®. Weighing in at less than 9 oz., G-DRIVE mobile USB offers a stylish look with a heavy-duty feel. Up to 500 GB of storage space is available to store or backup your important documents, MP3s, digital video or digital photo files.

Back up all those files on your MacBook® automatically. The G-DRIVE mobile USB is Time Machine® ready right out of the box! The drive features a silent, "fan-less" design and an integrated cooling system to ensure reliable operation and long life.

G-DRIVE mobile USB is bus powered, eliminating the need to carry around an external AC power supply to use the drive. Portability was never so easy!

NOTE: G-DRIVE mobile USB is formatted for the Mac® OS and will mount on the desktop right out of the box. For details on reinitializing the G-DRIVE mobile USB, using the G-DRIVE mobile USB on Windows®, or for using the G-DRIVE mobile USB for both Windows and Mac, click here.

Safety Precautions

The disk drive contained in your G-DRIVE mobile USB is a delicate electronic instrument and is susceptible to damage due to excessive physical shock. Place the unit in a vented area away from moisture or liquids. Please handle the unit with care. Do not open the case. Doing so will void the warranty. *If the product is returned with damage caused by improper handling, the warranty will be void and liability will rest with the user.*

System Requirements

USB 2.0 operation

- Mac OS X 10.3 or higher
- Windows XP /Vista /Windows 7

What's in the Box

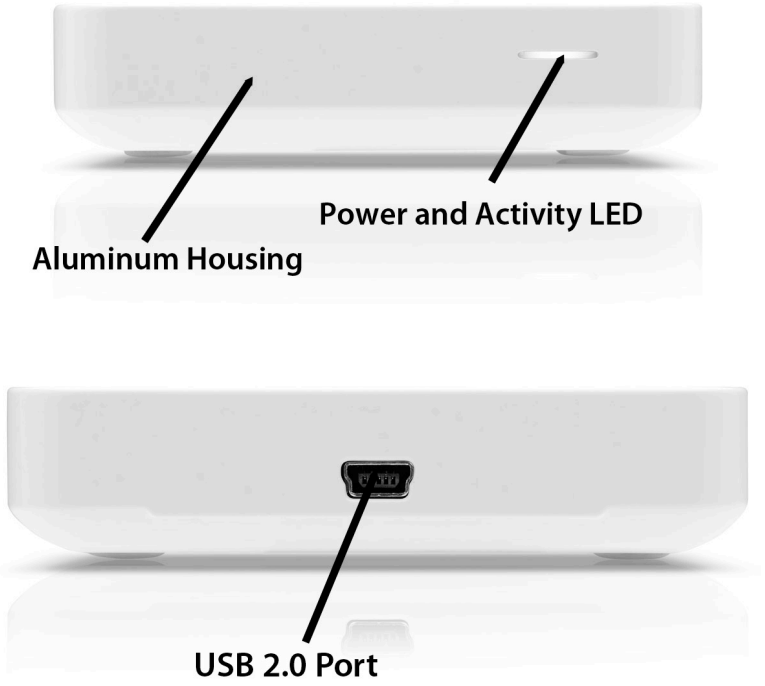
Note: Take a moment to ensure that the following items are included in the box.

G-DRIVE mobile USB
- G-DRIVE mobile USB drive (USB 2.0)
- USB 2.0 cable

If anything is missing, please call G-Tech at (310) 449-4599. For more details on this, click here.

G-DRIVE mobile USB Overview

Note the various features of the G-DRIVE mobile USB. A Power and Activity LED is on the front of the unit, while a USB 2.0 port is on the rear.



Attention Mac OS X Users

G-DRIVE mobile USB is set up at the factory for use with Mac OS X systems. If you are running Mac OS X, G-DRIVE mobile USB will mount on the OS X desktop right out of the box. If it becomes necessary to re-format G-DRIVE mobile USB for Mac OS X, go here.

Attention Windows Users

G-DRIVE mobile USB must be formatted for the Windows Operating System before using the G-DRIVE mobile USB.

For more information about using the G-DRIVE mobile USB for Windows XP / Vista/ 7 use, please visit: http://www.g-technology/support/windows

Attention Cross-Platform Users

G-DRIVE mobile USB can be used on both Mac and PC systems by formatting the drive "FAT32." There are some limitations when using FAT 32. Alternatively you can install software on the Windows machine such as "MacDrive" which will allow you to mount Mac formatted drives on your PC.

For more information about using the G-DRIVE mobile USB for cross-platform use, go here.

Installing G-DRIVE mobile USB

G-DRIVE mobile USB attaches to your computer via a USB 2.0 port. The G-DRIVE mobile USB has a single USB port at the rear of the drive (see below). Connect the drive with the enclosed cable and then power up your MacBook. The drive will automatically mount on the desktop. Note: No AC power supply is necessary.

Initializing G-DRIVE mobile USB

G-DRIVE mobile USB is set up at the factory for use with Mac OS X systems. If you are running Mac OS X, G-DRIVE mobile USB will mount on the OS X desktop right out of the box. If it becomes necessary to re-format G-DRIVE mobile USB, follow the instructions below.

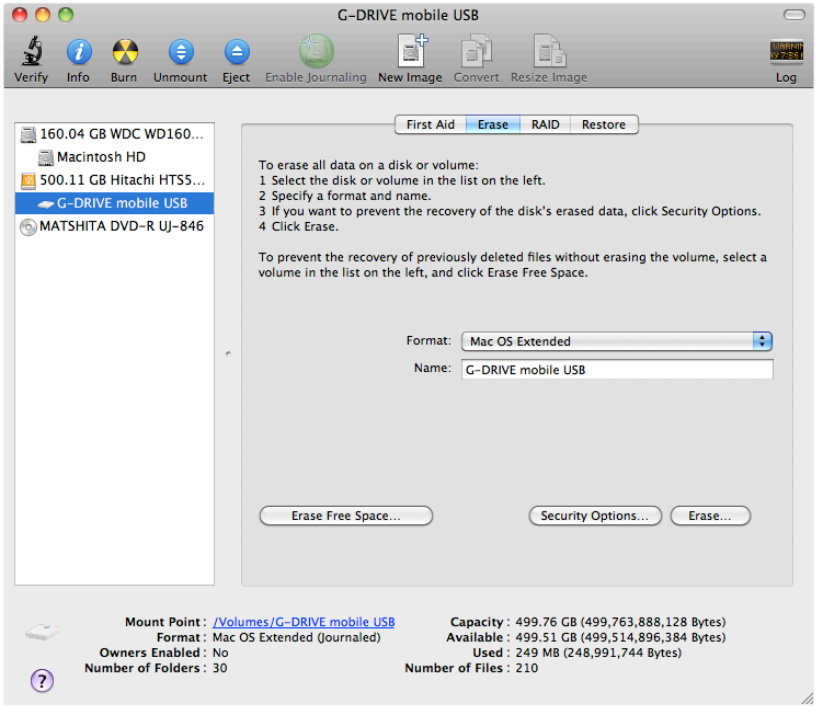
- For Mac OS X installations see below
- For Windows XP/ Vista/ 7 installations go here http://www.g-technology/support/windows

• For cross-platform use, go here.

Reformatting for Mac OS X

You'll first need to open Apple *Disk Utility* in order to initialize the disk for Mac OS X. Apple *Disk Utility* is in the **Utilities** Folder located in the **Applications** Folder on the Macintosh HD (or press Shift + Command + U to open the Utilities folder).

A window like the following will appear. G-DRIVE mobile USB will be displayed in the left-hand column.


G-DRIVE mobile USB
Verify
Info
Burn
Unmount
Eject
Enable Journaling
New Image
Convert
Resize Image
Log
160.04 GB WDC WD160...
Macintosh HD
500.11 GB Hitachi HTS5...
G-DRIVE mobile USB
MATSHITA DVD-R UJ-846
First Aid
Erase
RAID
Restore
To erase all data on a disk or volume:
1 Select the disk or volume in the list on the left.
2 Specify a format and name.
3 If you want to prevent the recovery of the disk's erased data, click Security Options.
4 Click Erase.
To prevent the recovery of previously deleted files without erasing the volume, select a volume in the list on the left, and click Erase Free Space.
Format: Mac OS Extended
Name: G-DRIVE mobile USB
Erase Free Space...
Security Options...
Erase...
Mount Point : /Volumes/G-DRIVE mobile USB
Format : Mac OS Extended (Journaled)
Owners Enabled : No
Number of Folders : 30
Capacity : 499.76 GB (499,763,888,128 Bytes)
Available : 499.51 GB (499,514,896,384 Bytes)
Used : 249 MB (248,991,744 Bytes)
Number of Files : 210

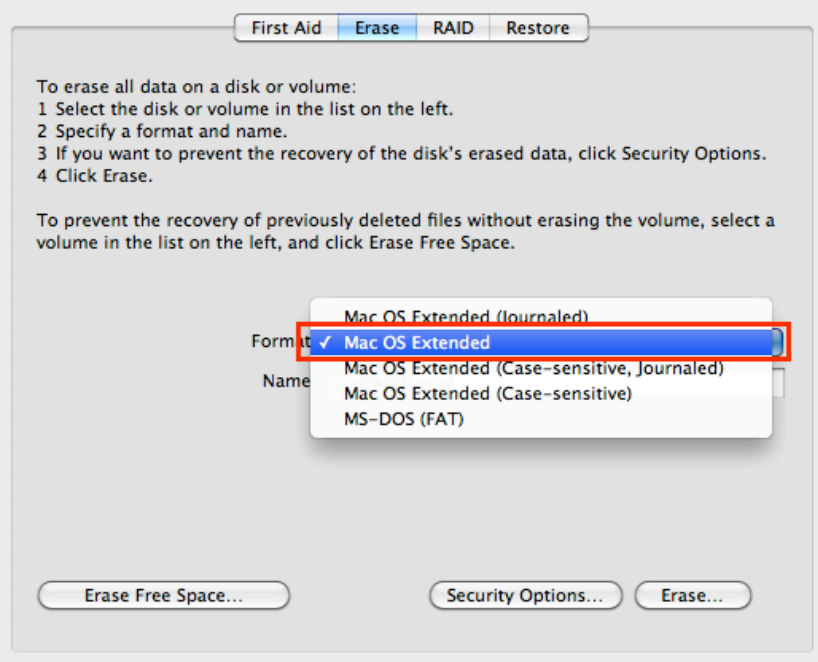
1. Select G-DRIVE mobile USB by clicking on the drive icon in the left-hand column, as shown. Information about G-DRIVE mobile USB will be displayed at the bottom of the window.

2. Select the Erase tab to view the formatting options. By default, the Format is set to Mac OS Extended (Journaled), as indicated in the Format category.

3. Choose the Format:

   - Set the format to Mac OS Extended (Journaled) if you intend to use G-DRIVE mobile USB for Time Machine or to create a separate bootable installation of OS X.

   - For best performance and for media storage, set the Format to Mac OS Extended. Click on the Format menu to change it to "Mac OS Extended".


First Aid
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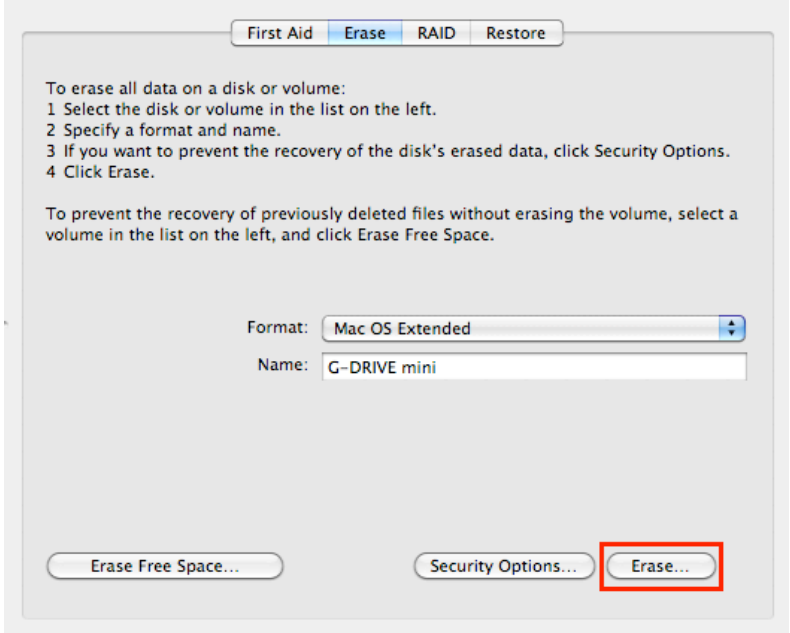
3 If you want to prevent the recovery of the disk's erased data, click Security Options.
4 Click Erase.
To prevent the recovery of previously deleted files without erasing the volume, select a volume in the list on the left, and click Erase Free Space.
Format:
Name:
Mac OS Extended (Journaled)
Mac OS Extended
Mac OS Extended (Case-sensitive, Journaled)
Mac OS Extended (Case-sensitive)
MS-DOS (FAT)
Erase Free Space...
Security Options...
Erase...

4. Click the Erase Button in the lower corner of the window.


First Aid
Erase
RAID
Restore
To erase all data on a disk or volume:
1 Select the disk or volume in the list on the left.
2 Specify a format and name.
3 If you want to prevent the recovery of the disk's erased data, click Security Options.
4 Click Erase.
To prevent the recovery of previously deleted files without erasing the volume, select a volume in the list on the left, and click Erase Free Space.
Format:
Mac OS Extended
Name:
G-DRIVE mini
Erase Free Space...
Security Options...
Erase...

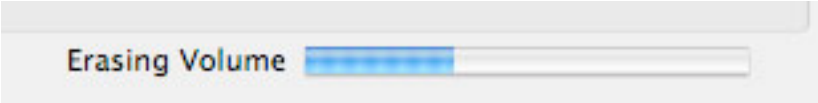
5. A dialog box will launch after clicking the button.

   WARNING: THIS NEXT STEP WILL ERASE ALL DATA ON YOUR DRIVE.

Are you sure you want to erase the partition "G-DRIVE mobile USB"?
Erasing a partition deletes all the data on that partition, but does not affect other partitions on the same disk.
Cancel
Erase

5. Click on the Erase button to continue.

A progress bar in the lower right corner of the window will show you the progress of the disk's reformatting.

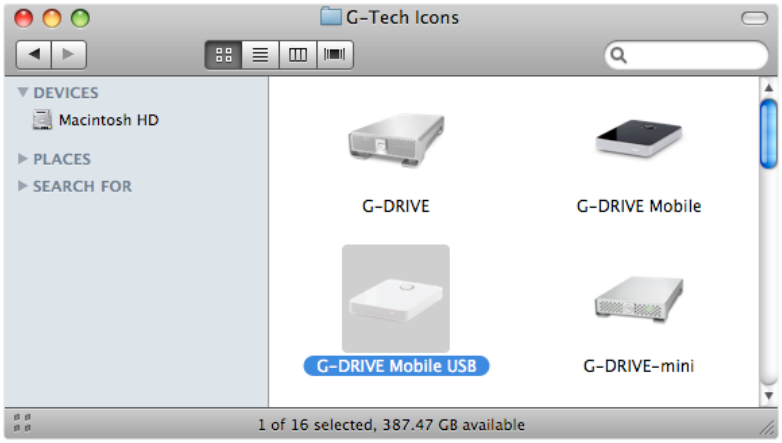


After reinitializing the G-DRIVE mobile USB the icon for the G-DRIVE mobile USB has been erased. You can restore it.

Restore the icon by doing the following:

1. Go to the G-Tech website and download the "icon package". Click here to download the package.

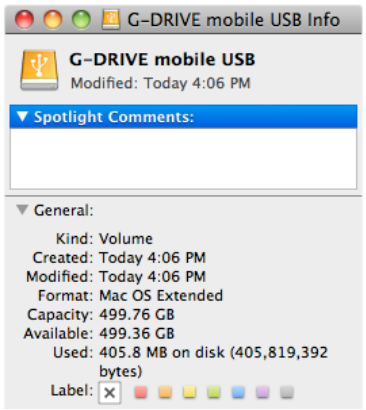
2. Once downloaded, select the icon for the G-DRIVE mobile USB in the G-Tech Icons disk.

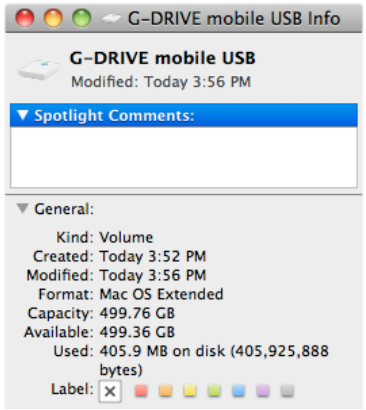


3. Press Command + C to copy the icon.

4. Select the G-DRIVE mobile USB FireWire icon on the Desktop and press Command + I.

5. Select the FireWire Icon in the "Get Info" window (left)





6. Press Command + V to paste the icon into the Get Info window (right).

The icon for your G-DRIVE mobile USB has now been restored.

You can now close the Get Info window.

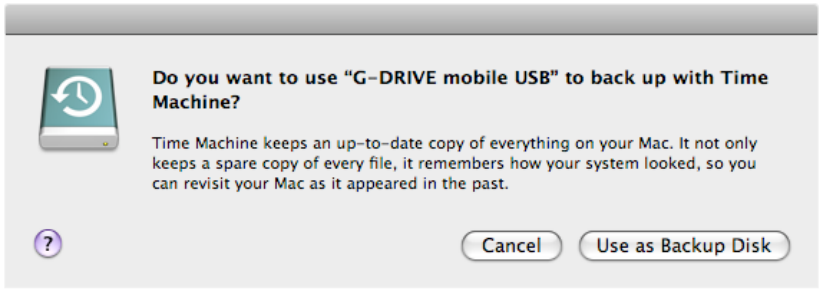
After reinitializing the drive and restoring your icon, your G-DRIVE mobile USB is ready for use.

Using G-DRIVE mobile USB with Time Machine

G-DRIVE mobile USB is a perfect candidate to use with Apple Time Machine. Time Machine provides automatic backup for your crucial files. The following steps will guide you in setting up the G-DRIVE mobile USB with Time Machine.

Format the drive as Mac OS Extended (Journaled) as described in "Reformatting for Mac OS X" here.

After the drive is reinitialized, you should see the following dialog box. Click the *Use as Backup Disk* button.


Do you want to use "G-DRIVE mobile USB" to back up with Time Machine?
Time Machine keeps an up-to-date copy of everything on your Mac. It not only keeps a spare copy of every file, it remembers how your system looked, so you can revisit your Mac as it appeared in the past.
Cancel
Use as Backup Disk

If the dialog box did not launch, go to the Apple Menu > System Preferences and click on the Time Machine icon.

The Time Machine pane of System Preferences will then launch and be automatically switched to on.

Time Machine
Show All
Name: G-DRIVE mobile USB
Available: 499.32 GB of 499.76 GB
Oldest Backup: --
Latest Backup: --
Next Backup: 106 seconds...
Select Disk...
Options...
Time Machine
OFF
ON
Time Machine keeps:
• Hourly backups for the past 24 hours
• Daily backups for the past month
• Weekly backups for all previous months
The oldest backups are deleted when your disk becomes full.
Show Time Machine status in the menu bar
Click the lock to prevent further changes.

You are now free to set options by clicking the Options button. This chooses files you do not want to backup.

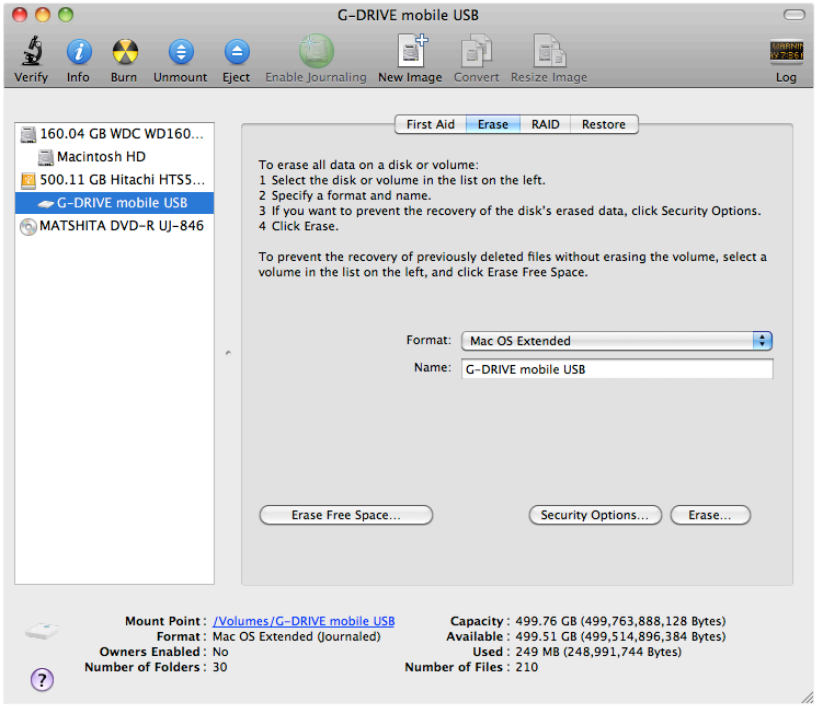
The G-DRIVE mobile USB is now backing up your important files automatically with Time Machine.

Cross Platform Use

To setup your G-DRIVE mobile USB for use on both Windows and Macintosh systems, use Apple *Disk Utility* and format G-DRIVE mobile USB to MS-DOS (FAT), also known as "FAT32".

Open Apple *Disk Utility*. Apple *Disk Utility* is in the **Utilities** Folder located in the **Applications** Folder on the Macintosh HD (or press Shift + Command + U to open the Utilities folder).

A window like the one on the below will appear.


G-DRIVE mobile USB
Verify
Info
Burn
Unmount
Eject
Enable Journaling
New Image
Convert
Resize Image
Log
160.04 GB WDC WD160...
Macintosh HD
500.11 GB Hitachi HTS5...
G-DRIVE mobile USB
MATSHITA DVD-R UJ-846
First Aid
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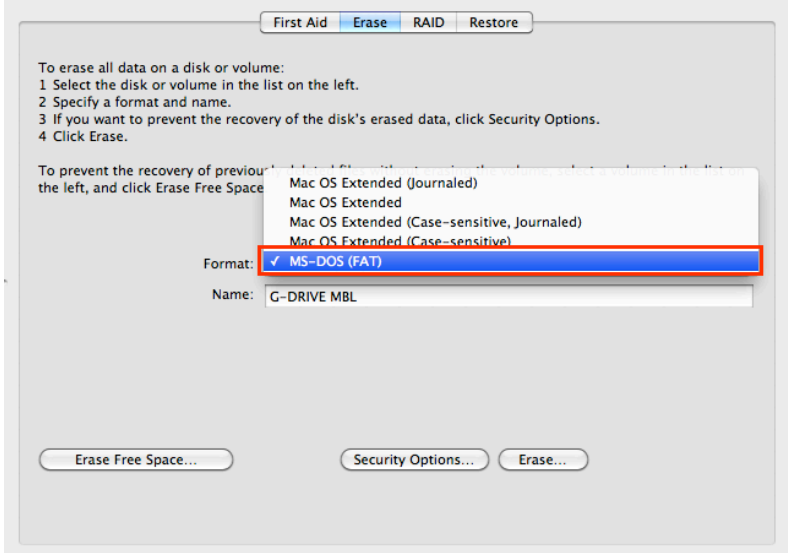
To erase all data on a disk or volume:
1 Select the disk or volume in the list on the left.
2 Specify a format and name.
3 If you want to prevent the recovery of the disk's erased data, click Security Options.
4 Click Erase.
To prevent the recovery of previously deleted files without erasing the volume, select a volume in the list on the left, and click Erase Free Space.
Format: Mac OS Extended
Name: G-DRIVE mobile USB
Erase Free Space...
Security Options...
Erase...
Mount Point : /Volumes/G-DRIVE mobile USB
Format : Mac OS Extended (Journaled)
Owners Enabled : No
Number of Folders : 30
Capacity : 499.76 GB (499,763,888,128 Bytes)
Available : 499.51 GB (499,514,896,384 Bytes)
Used : 249 MB (248,991,744 Bytes)
Number of Files : 210

1. Select the G-DRIVE mobile USB from the left-hand column

2. Click on the "Erase button at the top of the window as shown.

3. Select MS-DOS File System from the *Format* drop down menu. NOTE: You may need to re-name the drive because FAT32 does not support more than 11 letters in the drive name.


First Aid
Erase
RAID
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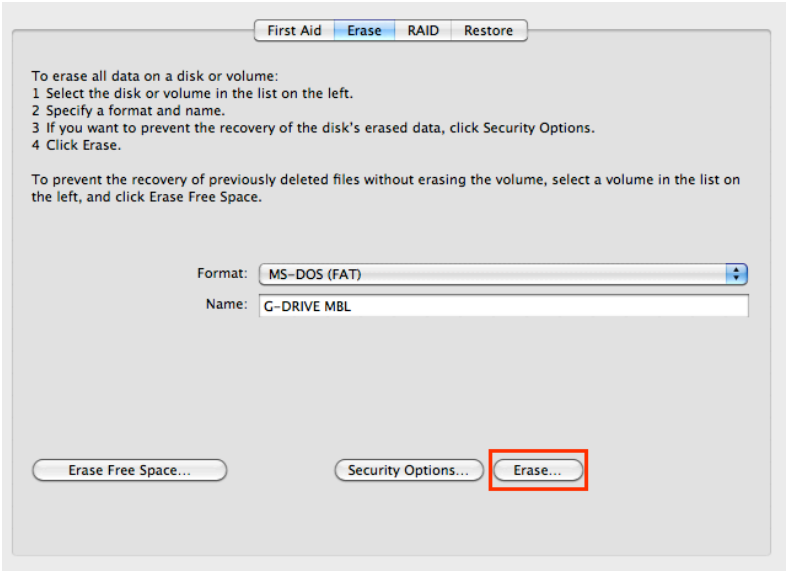
1 Select the disk or volume in the list on the left.
2 Specify a format and name.
3 If you want to prevent the recovery of the disk's erased data, click Security Options.
4 Click Erase.
To prevent the recovery of previou
the left, and click Erase Free Space
Mac OS Extended (Journaled)
Mac OS Extended
Mac OS Extended (Case-sensitive, Journaled)
Mac OS Extended (Case-sensitive)
Format:
✓ MS-DOS (FAT)
Name:
G-DRIVE MBL
Erase Free Space...
Security Options...
Erase...

4. Click the *Erase* button in the lower right corner of the window.

5.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3 If you want to prevent the recovery of the disk's erased data, click Security Options.
4 Click Erase.
To prevent the recovery of previously deleted files without erasing the volume, select a volume in the list on the left, and click Erase Free Space.
Format:
MS-DOS (FAT)
Name:
G-DRIVE MBL
Erase Free Space...
Security Options...
Erase...

A new dialog box appears.

WARNING: THIS NEXT STEP WILL ERASE ALL DATA ON YOUR DRIVE.

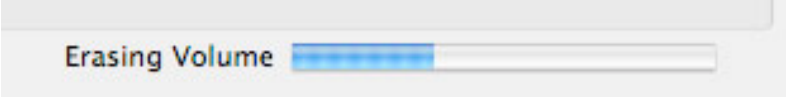
6.

Are you sure you want to erase the partition "G-DRIVE mobile USB"?
Erasing a partition deletes all the data on that partition, but does not affect other partitions on the same disk.
Cancel
Erase

Click the *Erase* button.

A progress bar in the lower right corner of the window will

show you the progress of the disk's reformatting.



Your drive will be formatted to its full capacity as FAT32.

7. Reset the G-DRIVE mobile USB icons as described here.

8. Exit Apple *Disk Utility*.

With this format, you will be able to READ/WRITE on both Windows XP/ Vista/Windows 7 and Mac OS X machines.

NOTE: You could format your drive on a Windows machine FAT32, however Windows currently limits FAT32 partitions to 32GB in size.

NOTE: The 'MS-DOS File System' cannot write files over 4 GB. If you are working with files over 4 GB, you may want to choose a software option like MacDrive. MacDrive is Windows software that enables the Windows OS to mount Mac formatted drives. (www.macdrive.com)

Disconnecting G-DRIVE mobile USB

A great feature of G-DRIVE mobile USB is its ability to be connected and disconnected while your computer is running. To prevent failures and/or data loss it is important to follow the steps below when disconnecting or "unmounting" the G-DRIVE mobile USB from your computer.

1. Before powering down and disconnecting G-DRIVE mobile USB, you must unmount the system by simply dragging the G- DRIVE mobile USB icon to the trash located in the dock.

2. It is now safe to power off and remove G-DRIVE mobile USB from your system.

For unmounting G-DRIVE mobile USB with Windows based systems, see the Windows documentation at http://www.g-technology/support/windows

Optimizing Data Transfer Rates

G-DRIVE mobile USB can be connected to any Mac or PC that has a USB 2.0 port.

For best performance, G-DRIVE mobile USB should be connected via USB 2.0.

Technical Support

G-Tech appreciates and values its customers, striving to give you the finest service and support. If you encounter any difficulties while installing the G-DRIVE mobile USB, or if the G-DRIVE mobile USB needs maintenance, please contact G-Technology Technical Support via one of the following ways:

Telephone: (310) 449-4599
Fax: (310) 449-4670

E-mail: support@g-technology.com
Internet: http://www.g-technology.com

When contacting Technical Support, make sure to be in front of your computer and have the following information readily available:

- Your G-DRIVE mobile USB serial number (on bottom of unit)
- Operating system and version
- Computer brand and model
- Amount of memory installed
- Other devices attached to your computer

Thank you for purchasing G-DRIVE mobile USB. If you have any comments or questions about this manual or the product, please call (310) 449-4599, or send an email to support@g-technology.com

Limited Warranty

Hitachi Global Storage Technologies ("Hitachi GST") including G-Technology by Hitachi
Limited Warranty for External Hard Disk Drives

What does this limited warranty cover?
This Limited Warranty applies to new Hitachi GST external storage products purchased from an authorized Hitachi GST dealer by the original purchase for normal use and not for resale. Hitachi GST warrants that a covered product is free from defects in materials and workmanship, with the exceptions stated below.

How long does limited warranty coverage last?
This limited warranty lasts for 1 year, 2 years, 3 years or 5 years, or a fixed period from date of purchase, depending on when and where it was originally purchased. To determine the warranty specifically for your product, visit www.g-technology.com . A valid proof of purchase may be required to prove eligibility. If you do not have a valid proof of purchase, the limited warranty period will be measured from the date of sale from Hitachi GST to the authorized distributor.

What does this limited warranty not cover?
The limited warranty does not cover damage resulting from commercial use, misuse, accident, modification or alteration to hardware or software, tampering, unsuitable physical or operating environment beyond product specifications, improper maintenance, or failure caused by a product for which Hitachi GST is not responsible. There is no warranty of uninterrupted or error-free operation. There is no warranty for loss of data—you must regularly back up the data stored on your product to a separate storage product. There is no warranty for product with removed or altered identification labels. HITACHI GST DOES NOT PROVIDE ANY OTHER WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF IMPLIED WARRANTIES, SO THIS LIMITATION MAY NOT APPLY TO YOU. Hitachi GST is not responsible for returning to you product which is not covered by this limited warranty.

What must you do?
If you are having trouble with a product, before seeking

limited warranty service, first follow the troubleshooting procedures that Hitachi GST or your reseller provides.

To obtain limited warranty service, you must first obtain a Return Materials Authorization (RMA) and ship-to address by contacting G-Technology by Hitachi at http://www.g-technology.com/support Please follow the instructions found on the website. You must return the covered hard disk drive using approved packaging to our logistics center. You must pay any associated transportation charges, duties and insurance in shipping the drive to our logistics center. You should remove all personal information from the product prior to its return.

What will Hitachi GST do?
Hitachi GST will repair or replace covered defective product and ship you repaired or replaced product, transportation prepaid. You receive title to the repaired or replaced product at delivery to carrier at Hitachi GST shipping point. You are responsible for importation of the repaired or replaced product, if applicable. These limited warranty terms apply to the repaired or replaced product, except the limited warranty period is for the greater of the remainder of the original limited warranty period for the returned product or 90 days.

How is our liability limited?
HITACHI GST AND ITS AFFILIATES, SUPPLIERS, DISTRIBUTORS, AND RESELLERS ARE NOT LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN BODILY INJURY INCLUDING DEATH AND TANGIBLE PERSONAL PROPERTY; 2) LOSS OF, OR DAMAGE TO, YOUR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF INFORMED OF THE POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW LIMITATION OF LIABILITY, INCIDENTAL DAMAGES, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

How do local laws apply?
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

G-Technology, a division of Hitachi Global Storage Technologies
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G-Technology™
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